

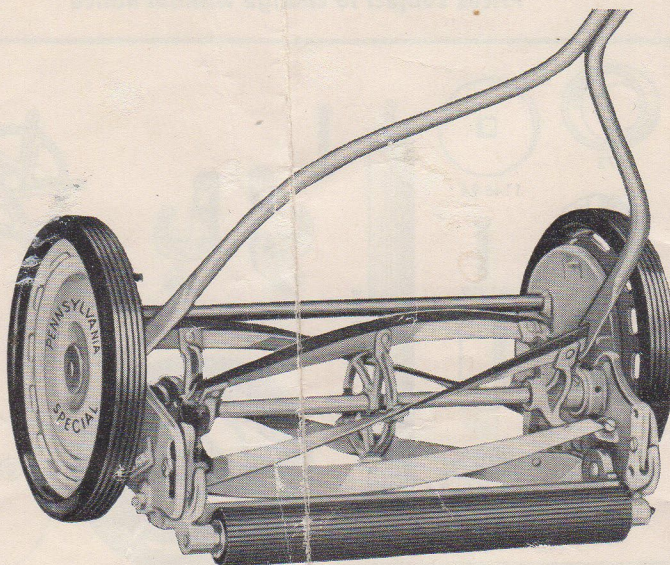
DIRECTIONS . . . PENNSYLVANIA SPECIAL ball bearing

HOW TO USE MOWER — AND KEEP IT IN ORDER

Please read carefully
MODEL 1416

9" Wheels with Rubber Tires,
10" Overall

5 Blades, One Size — 16 inch.



TO ADJUST THE BEARINGS . . . First see that both nuts on ends of the shaft or rod holding the machine together have not loosened. Next see that the screws on either end holding the bed knife casting to the side plate have not loosened. Tighten them before adjusting cones.

Between each cone and cylinder end there is a spring washer. These two spring washers have a total expansion of $\frac{1}{4}$ inch. To adjust the cylinder simply loosen one of the set screws, and the spring pressure will force the cone against the balls. It should then be tightly locked into position with the set screw.

TO ADJUST THE LOWER KNIFE . . . First take up lost motion in cylinder (as described). Then turn mower over and screw up on both bottom set screws. Should this not bring the lower knife close enough to the cylinder, loosen very slightly both top set screws, after which the bottom screws should be taken up more. This process should be continued until the lower knife touches the cylinder from end to end without binding. At no time try to adjust mower by working on screws of one side only. CAUTION — If screws are frozen or rusted in, apply a few drops of penetrating oil or kerosene. Do not exercise too much pressure on these screws as it may crack the side plate. Don't fail to oil all bearings frequently.

DO's and DON'Ts

- This mower is properly adjusted for use. Before using, oil all bearings with light machine oil. Also rub a little oil along the edges of the cylinder and lower knife to loosen any paint.
- To prevent undue wear of stationary knife and cylinder bearings, keep all nuts tight; especially those on ends of frame shaft, and on ends of stationary knife casting. Be sure these nuts are tight before attempting to adjust either the stationary knife or the cylinder bearings.
- Don't try to regulate the height of cut by the four cast-back set screws, or the cone screws on the cylinder. The height of cut is adjusted by raising or lowering both roller brackets evenly.
- When transporting a mower, don't turn it over on one wheel. This practice results in broken side plates — wheels — handle braces — and tends to throw the mower out of adjustment. The correct way is to raise the handle as nearly upright as possible, keeping both wheels on the ground, revolve the mower a half turn. This eliminates all shock or strain, keeps mower in perfect adjustment and avoids breakage of parts.

See reverse side for parts list

PENNSYLVANIA LAWN MOWER DIVISION
Stevens Lane — Exeter, Pennsylvania

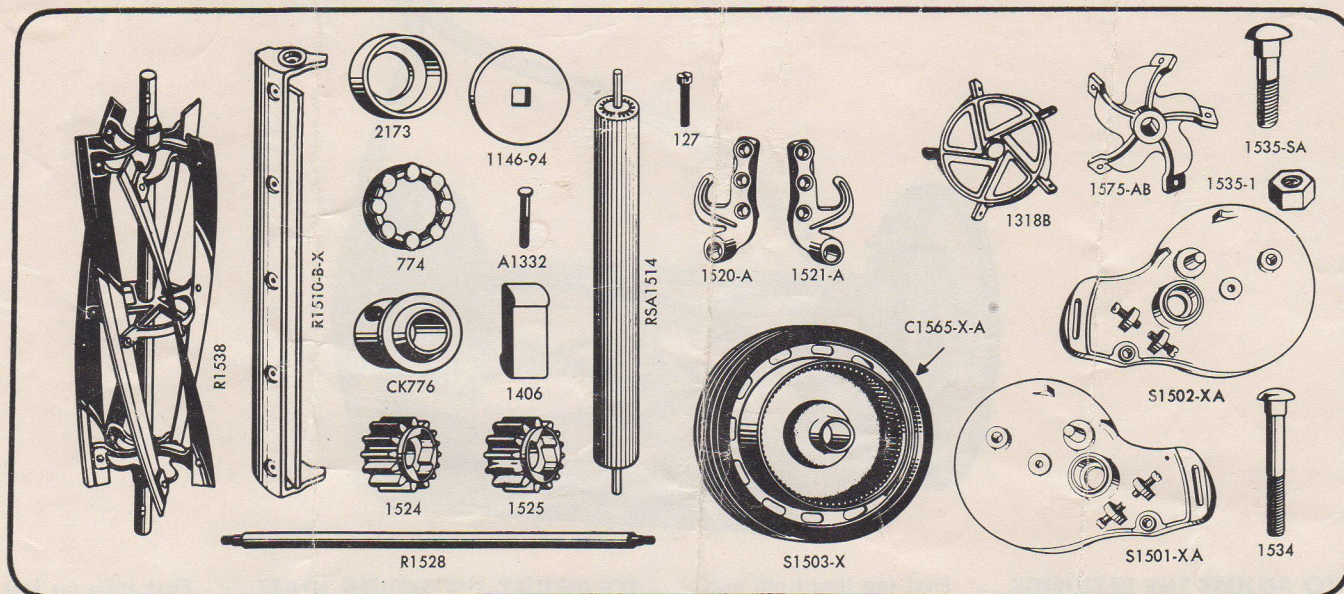
American Chain and Cable Company, Inc., Bridgeport, Conn.



PENNSYLVANIA SPECIAL

PRICE LIST AND WEIGHTS OF PARTS

Prices subject to change without notice



9" Wheel with Rubber Tires, 10" Overall.

Model 1416

5 Knives — One Size: 16 inch

DIRECTIONS FOR ORDERING . . . The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number with description of part wanted. Where possible, the number is cast on the part. Be sure to state serial letter and number.

appearing on Left or Right Hand Side Plate, and the size of the mower (width of cut) which will be found stamped on the cast back. Parts needed will be found in the table below. Part numbers are listed numerically.

No.	Article	Shipping Weight	Price	No.	Article	Shipping Weight	Price
127	Set screw for adjusting Cast Back....	1 oz.	\$.10	RSA-1514-	Roller complete with Shaft & Washers		
774	Retainer with 8 Balls 1/4"	2 oz.	.30			2lbs.1 oz.	\$2.00
CK-776	Cones—both alike 5/16" hole.....	5 oz.	.70	1520-A	Left hand Roller Bracket.....	4 oz.	.45
CK-777	Spring Washer for back of cone.....	1 oz.	.10	1521-A	Right hand Roller Bracket.....	4 oz.	.45
784	Bolt for Roller Bracket 1/4" x1"	1 oz.	.10	1524	Left hand Pinion — 5/16" hole — 14 teeth	3 oz.	.45
1146-94	Washer for Wheel.....	1 oz.	.10	1525	Right hand Pinion — 5/16" hole — 14 teeth	3 oz.	.45
1318-B	Cylinder Ring—5 wing.....	6 oz.	.95	R-1527-16	Cylinder Knife — 16"	12 oz.	1.10
A-1332	Knurled Rivet for fastening Cyl. Head to shaft 7/32" x 1 1/8"	1 oz.	.05	R-1528-16	Frame Shaft — 16" — 5/8" Diam. — 19 5/16" long	2 lbs.	1.25
1340	Washer for Handle Bolt and Roller Bracket	1 oz.	.05	1534	Carriage Bolt for Wheel—1/4" x 2"	1 oz.	.05
1348-B	Lock Screw for Cone 5/16" x 3/8"	1 oz.	.05	1535-SA	Bolt for assembling Cast Back.....	1 oz.	.10
W-1353	Rivets to attach Cylinder Blades (1 set)	3 oz.	.15	R-1538-16	Cylinder Complete—5 knives—16"	7 1/2 lbs.	10.00
1406	Pawl—both alike 5/16" wide.....	1 oz.	.15	1561-16	Shaft for Cylinder — 16" — 5/16" Diam. 20.219" long.....	1 3/4 lbs.	1.10
T-1420-5/8-SA	Tubular Steel Handle with Grips 16"	3 1/2 lbs.	4.20	C-1565-X-A	Rubber Tire for 9" Diam. Wheel.....	1 lb.	1.45
1428	Hex Nut for end of Frame Shaft.....	1 oz.	.10	1575-AB	Cylinder End — both alike — 5 wing — 5/16" hole.....	1 lb.	1.70
1430	Rivet for bottom Blade (1 set).....	1 oz.	.05	1587	Lock Washer for Frame Shaft.....	1 oz.	.05
S-1501-XA	Left hand Side Plate.....	3 1/2 lbs.	3.50	2173	Ball Cup—without balls.....	4 oz.	.25
S-1502-XA	Right hand Side Plate.....	3 1/2 lbs.	3.50	4027-5/8	Handle Grip	1 oz.	.20
S-1503-X	Driving Wheel without tire—9" Diam.	5 1/2 lbs.	3.50	4060	Lock Washer for Wheel Bolt.....	1 oz.	.05
S-1503-X-SA	Wheel with C-1565-A Tire assembled	6 1/2 lbs.	5.20				
R-1510-B-X-16-SA	Cast Back complete with stationary Knife—16"	4 1/2 lbs.	5.00				
YB-1513-16	Steel stationary Blade—16"	1 lb.	2.05				
W-1514	Washer for Roller.....	1 oz.	.05				